FIG. 1A
(PRIOR ART)

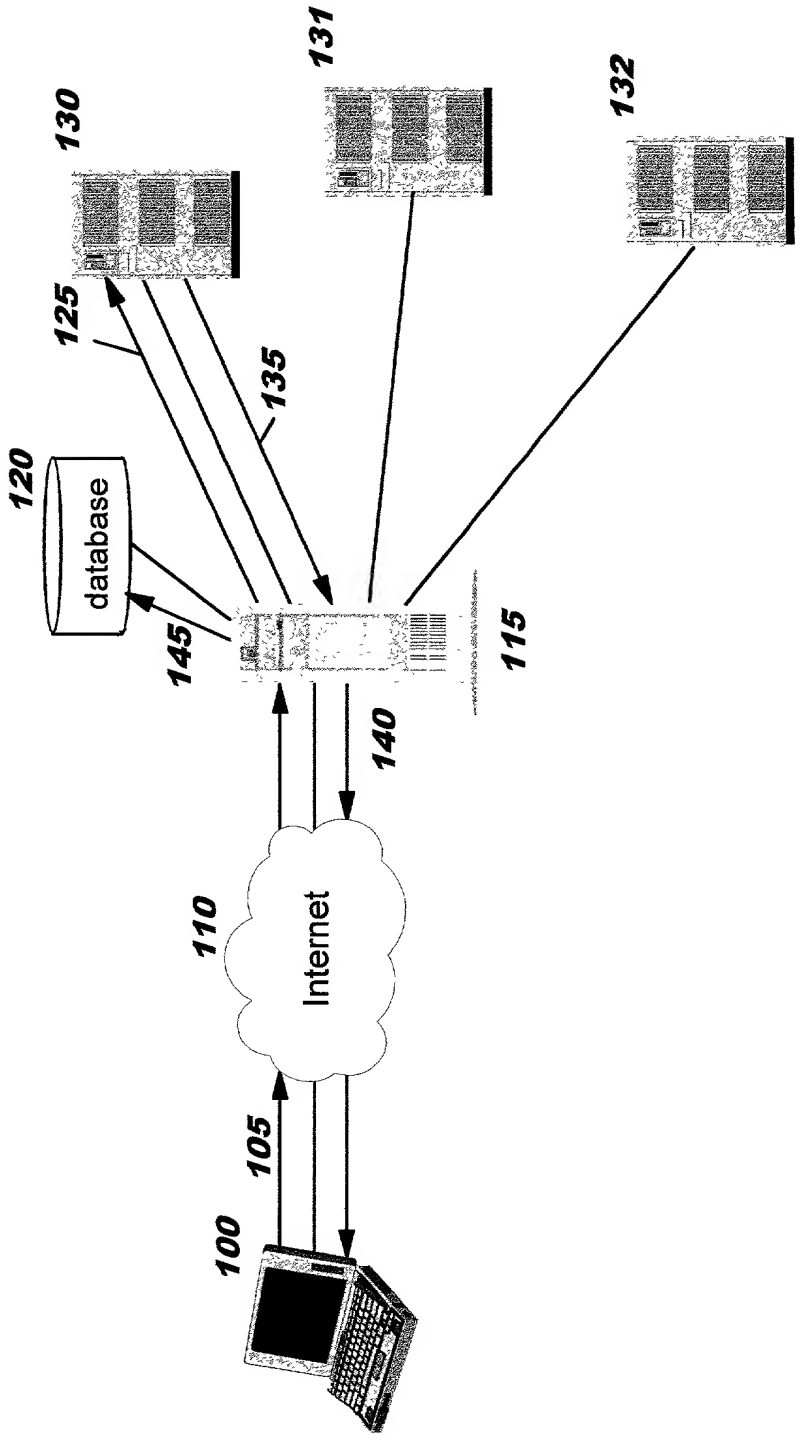


FIG. 1B
(PRIOR ART)

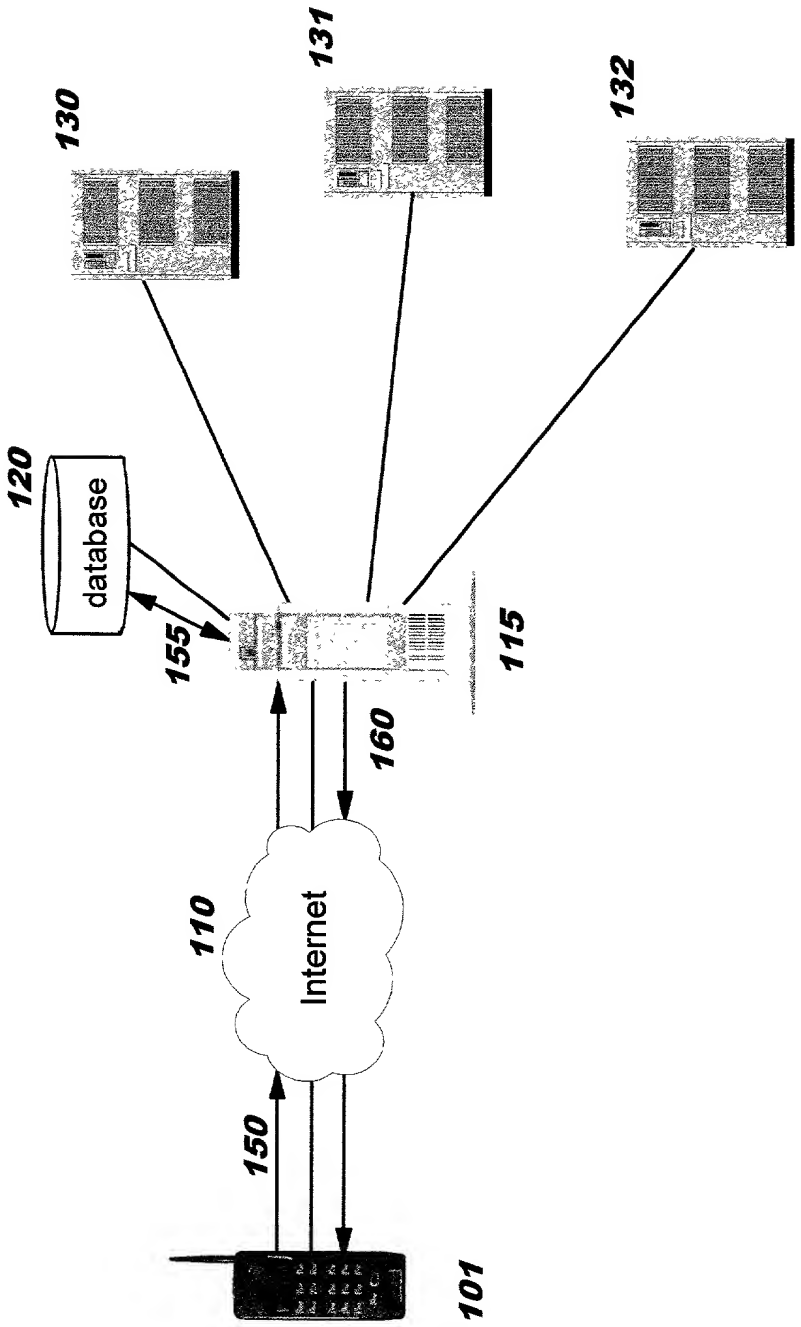


FIG. 2A
(PRIOR ART)

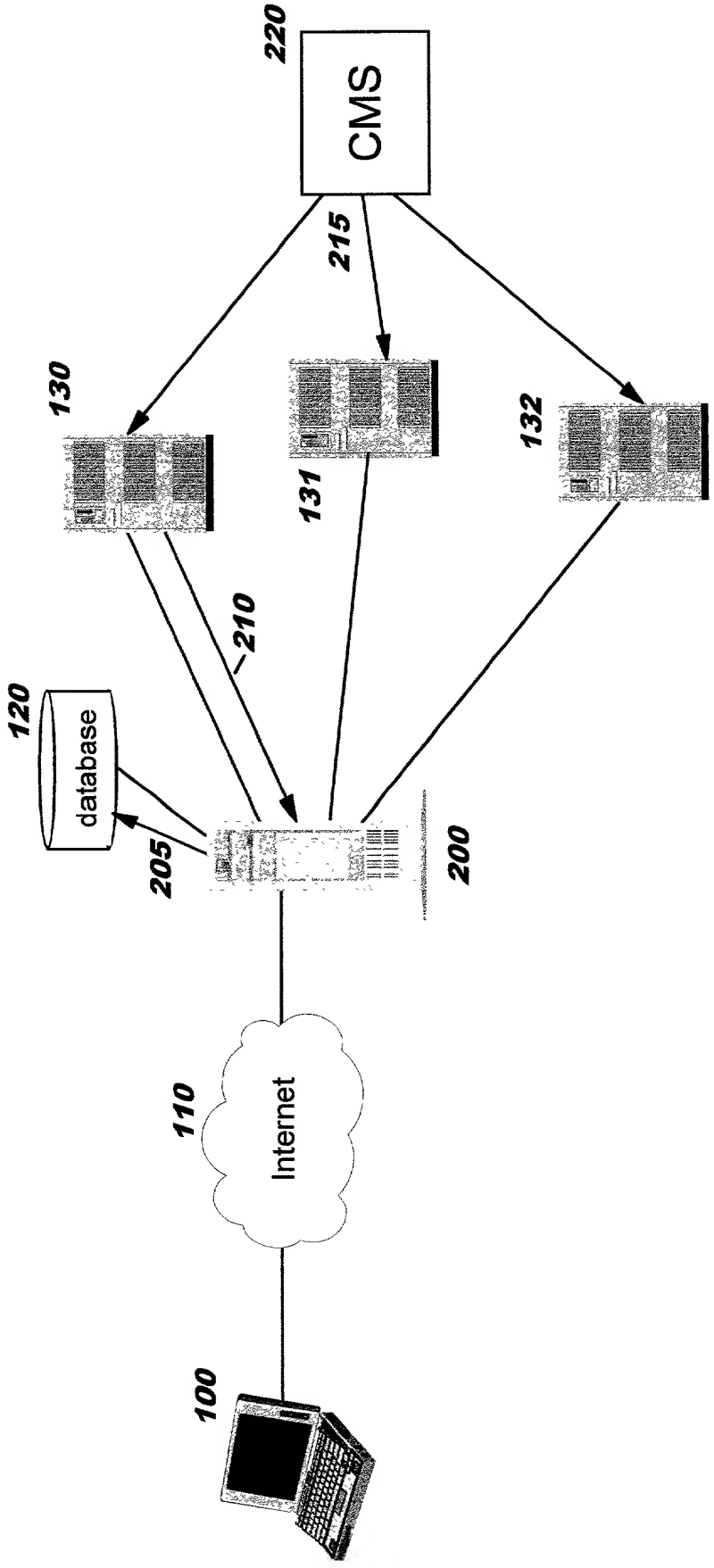


FIG. 2B
(PRIOR ART)

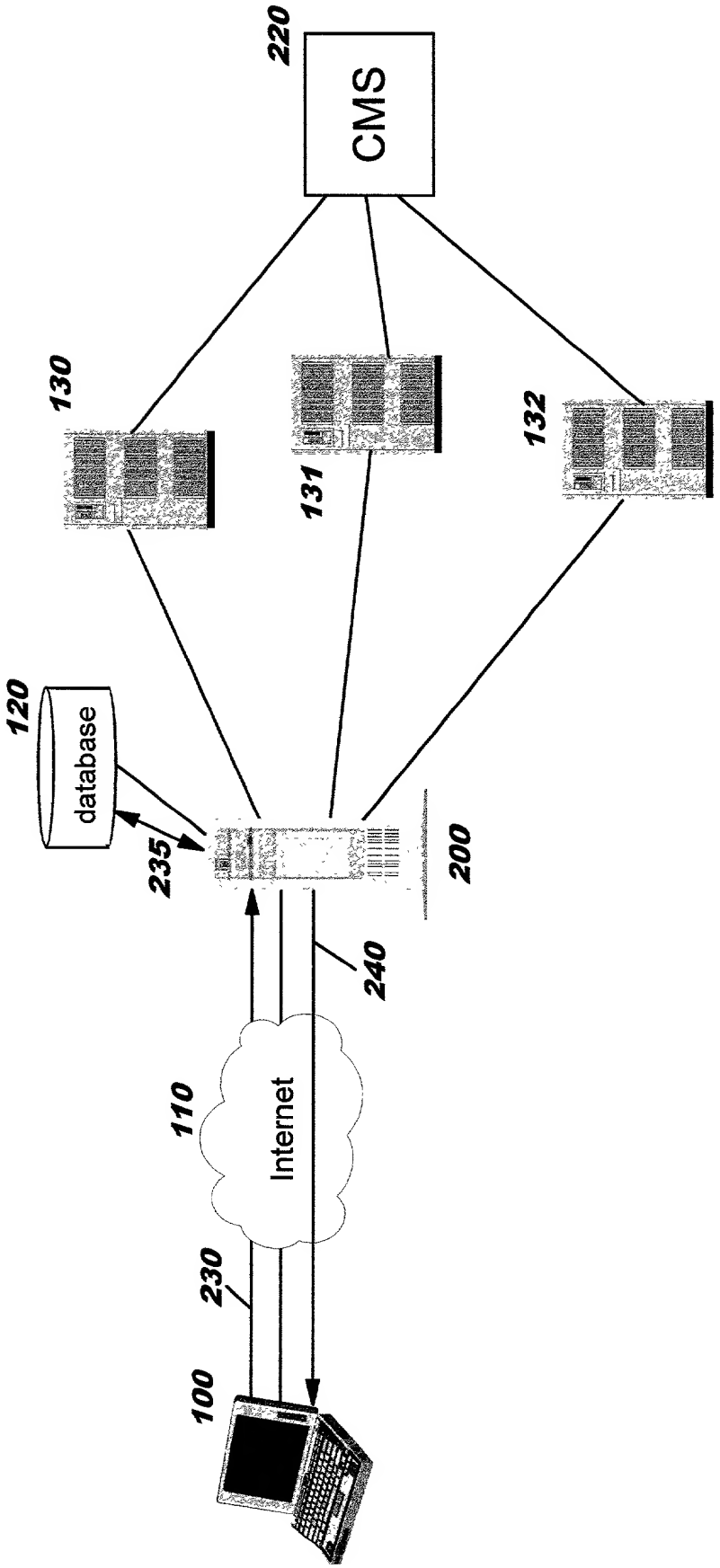
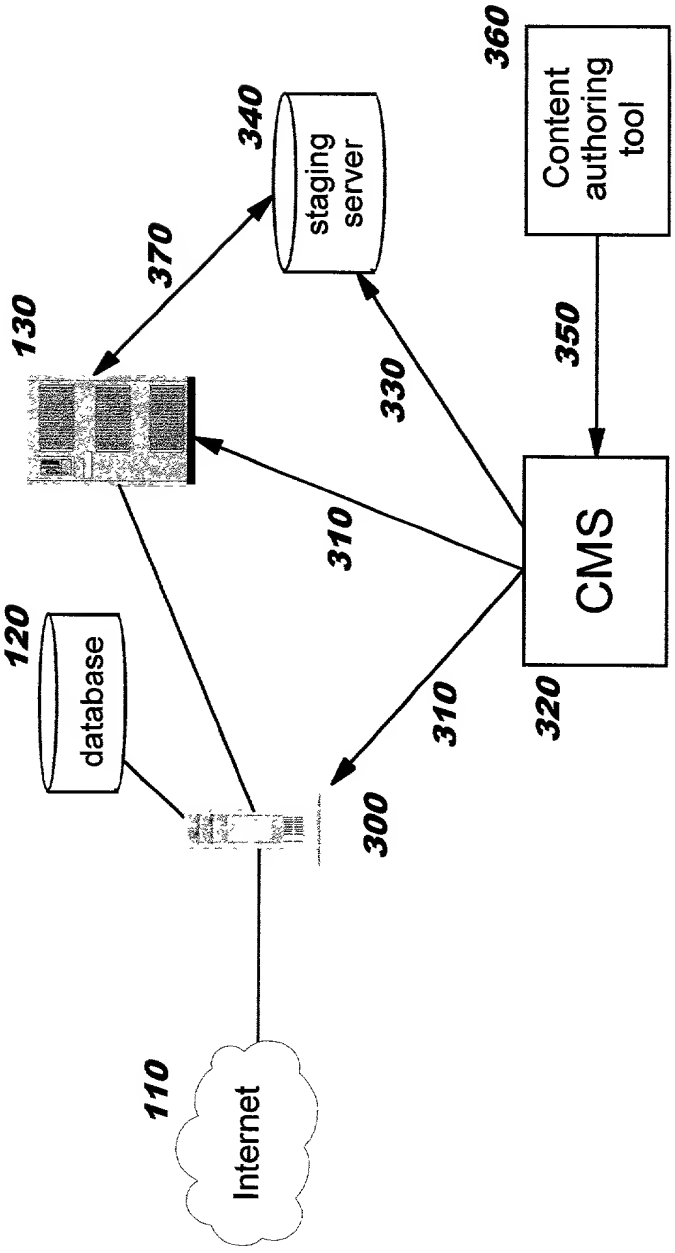


FIG. 3


110
Internet
300
120
database
130
310
310
320
CMS
330
340
staging server
350
360
Content authoring tool
370

PLEASE DO NOT REMOVE

FIG. 4

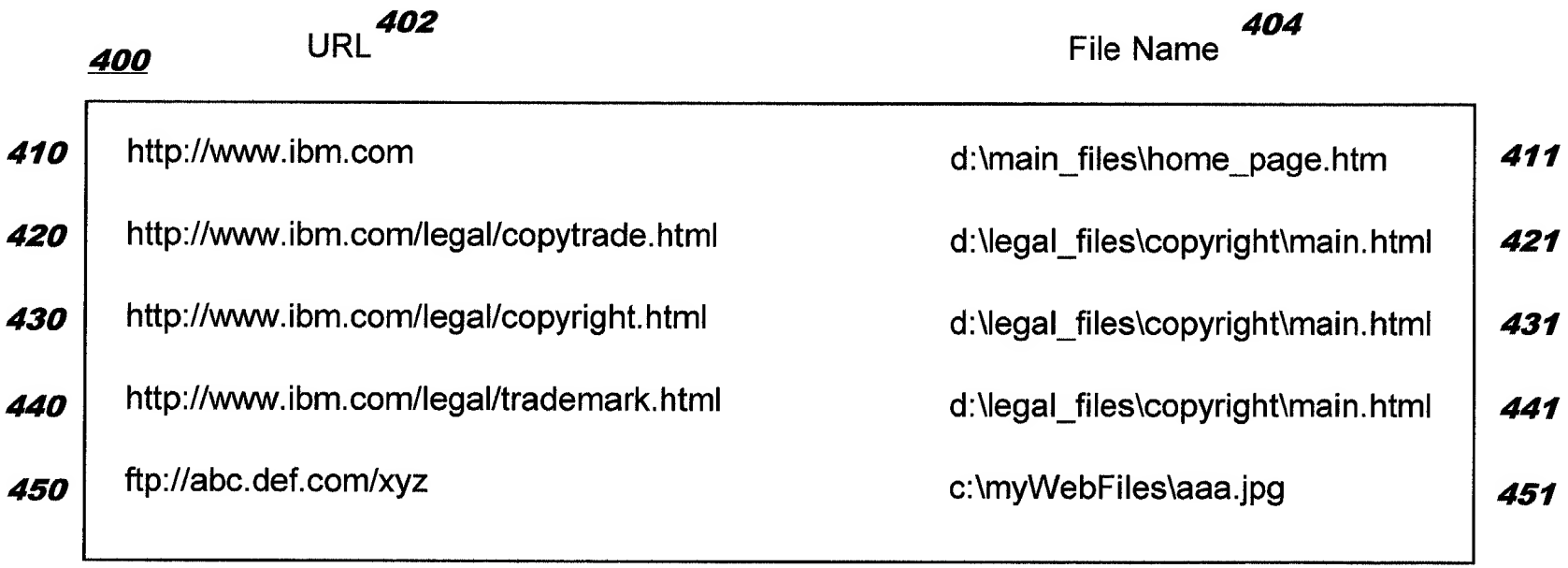
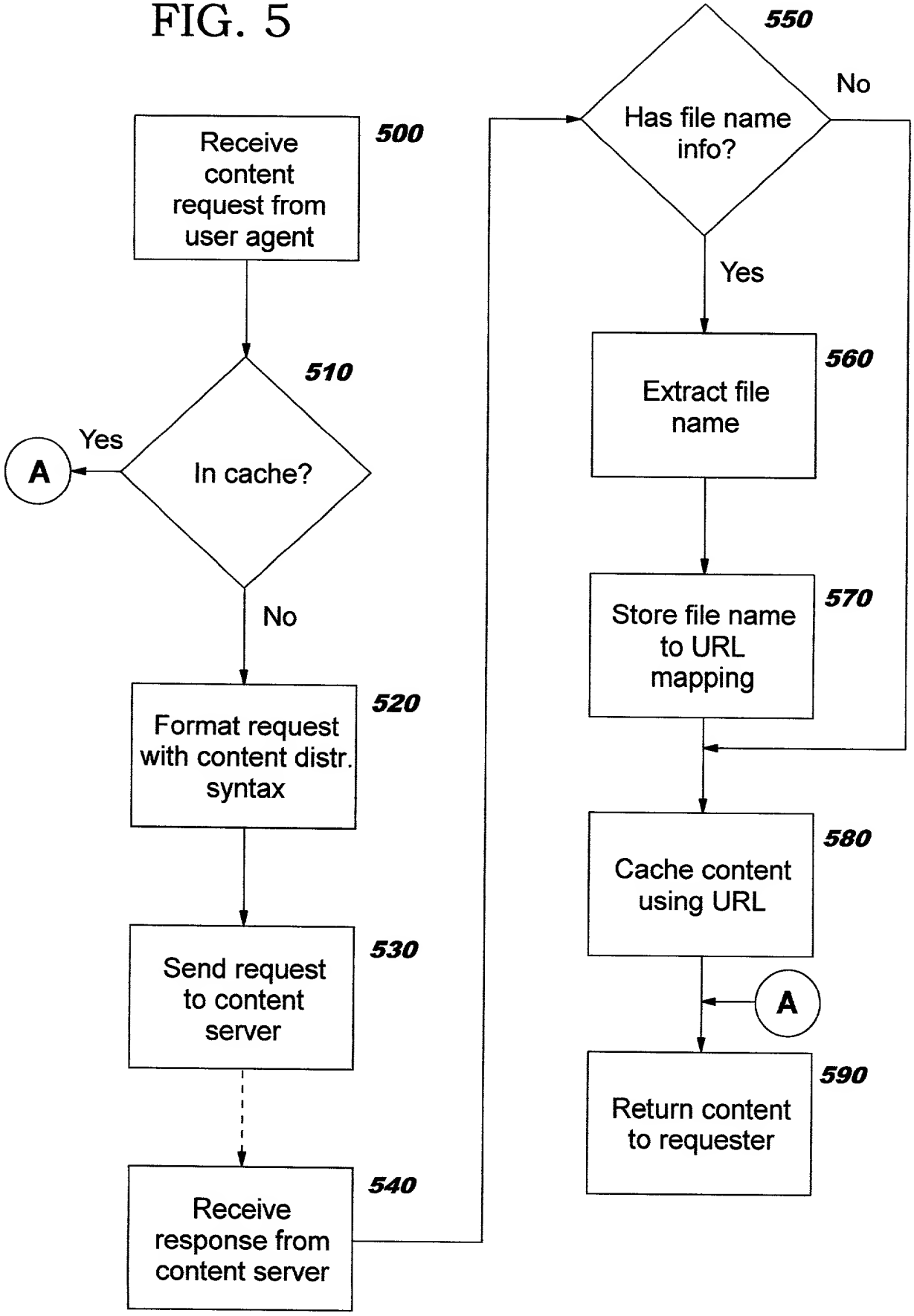


FIG. 5


Receive content request from user agent
500
In cache?
510
Yes
A
No
Format request with content distr. syntax
520
Send request to content server
530
Receive response from content server
540
Has file name info?
550
No
Yes
Extract file name
560
Store file name to URL mapping
570
Cache content using URL
580
A
Return content to requester
590

RSW920010126US1
Addressing the Name Space Mismatch Between Content Servers and Content Caches
R. Agarwalla, et al
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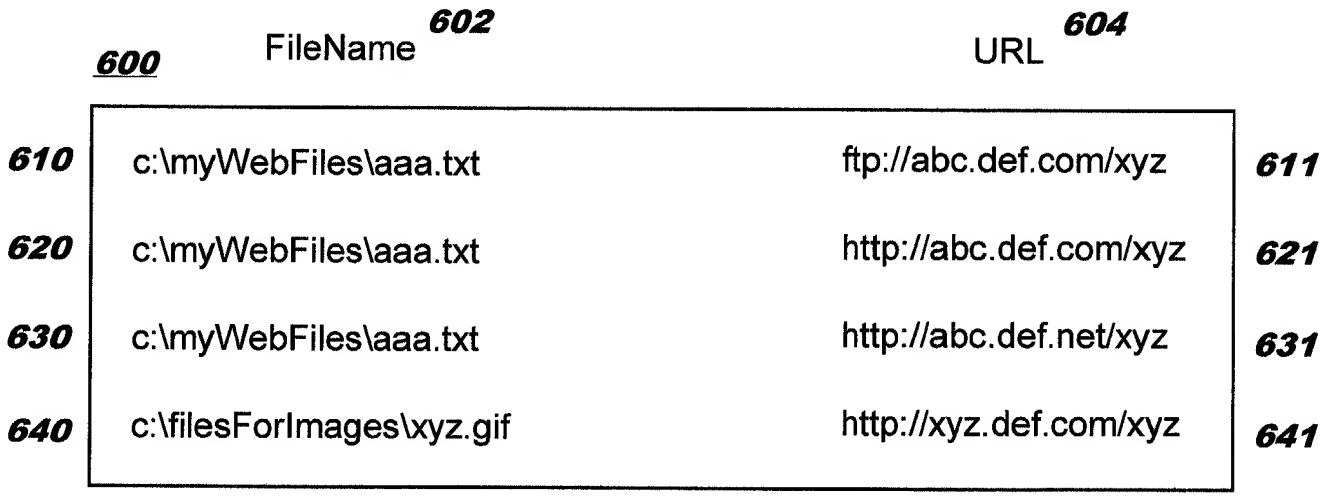
FIG. 6



PLEASE DO NOT REMOVE

FIG. 7A

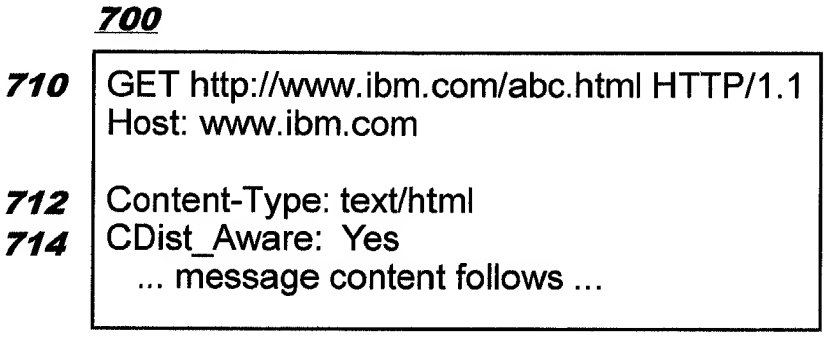


FIG. 7B

720 <META HTTP-EQUIV="CDist_Aware" CONTENT="1" />

FIG. 7C

730 <META NAME="CDist_Aware" VALUE="1" />

PATENT APPLICATION

FIG. 7D

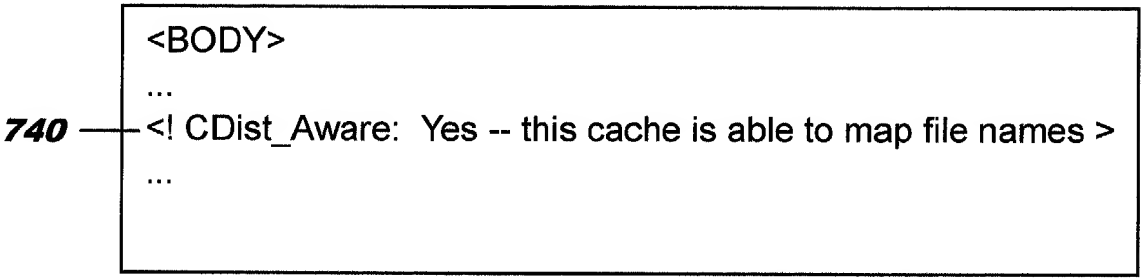
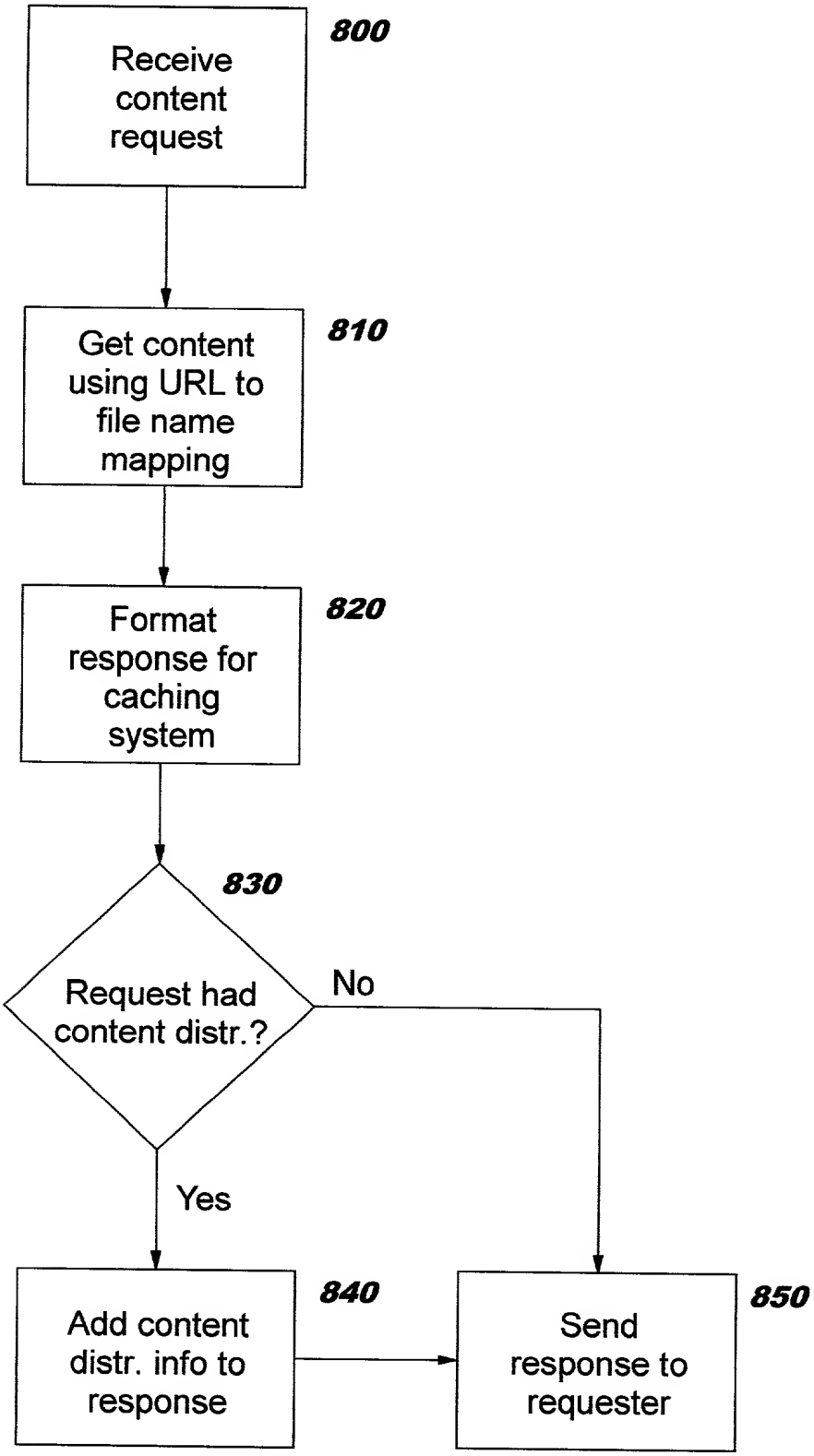


FIG. 7E

750 <CDIST:META HTTP-EQUIV="CDist_Aware" CONTENT="1" />

FIG. 8


Receive content request
800
Get content using URL to file name mapping
810
Format response for caching system
820
830
Request had content distr.?
No
Yes
Add content distr. info to response
840
Send response to requester
850

PLACED PENDING

FIG. 9A

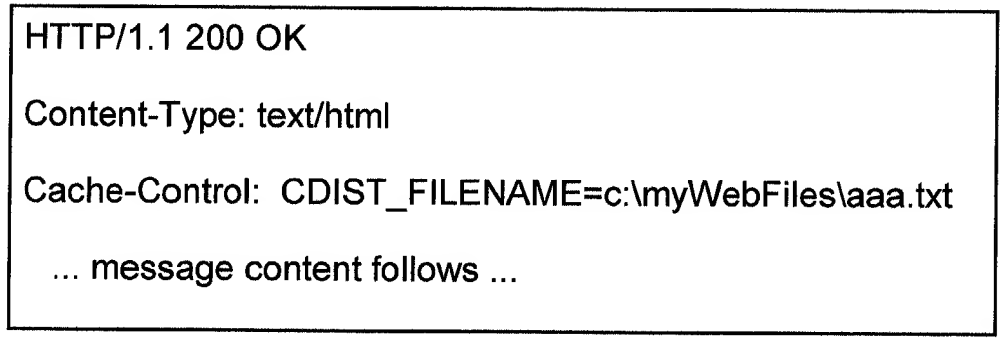


FIG. 9B

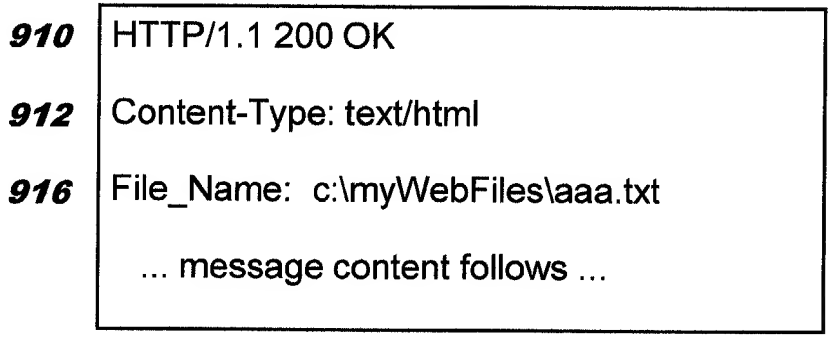


FIG. 9C

920 <META HTTP-EQUIV="File_Name" CONTENT="c:\myWebFiles\aaa.txt" />

PLEASE DO NOT REMOVE

FIG. 9D

930 <META NAME="File_Name" VALUE="c:\myWebFiles\aaa.txt" />

FIG. 9E

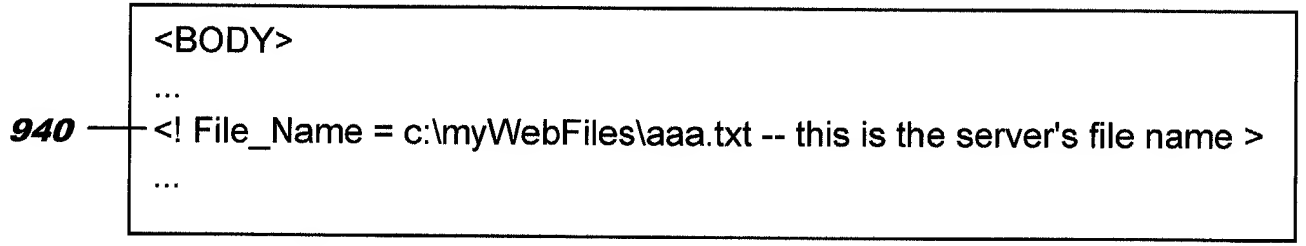


FIG. 9F

950 <CDIST:META HTTP-EQUIV="File_Name" CONTENT="c:\myWebFiles\aaa.txt" />

FIG. 10

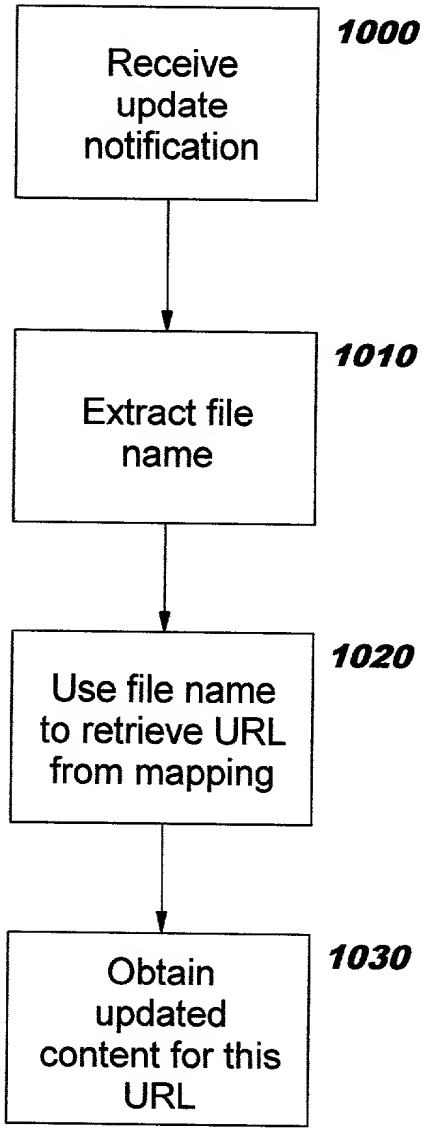
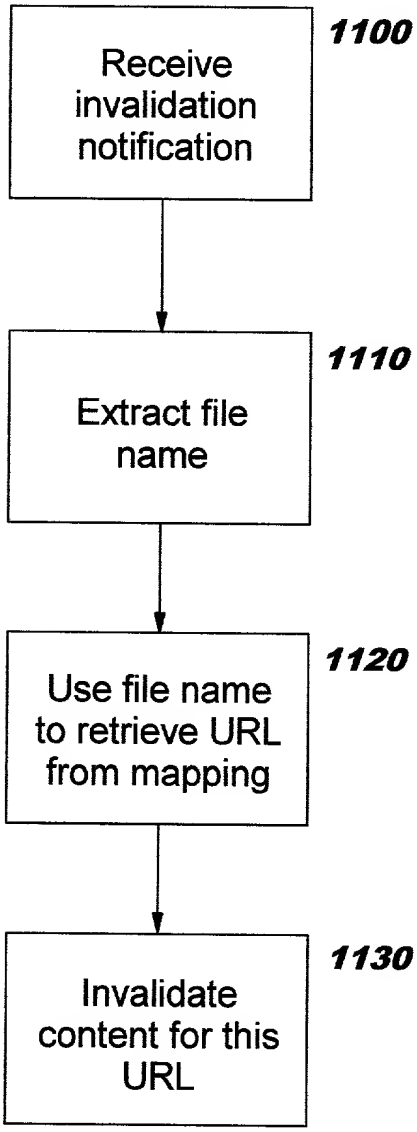

Receive update notification
1000
Extract file name
1010
Use file name to retrieve URL from mapping
1020
Obtain updated content for this URL
1030

FIG. 11


Receive invalidation notification
1100
Extract file name
1110
Use file name to retrieve URL from mapping
1120
Invalidate content for this URL
1130